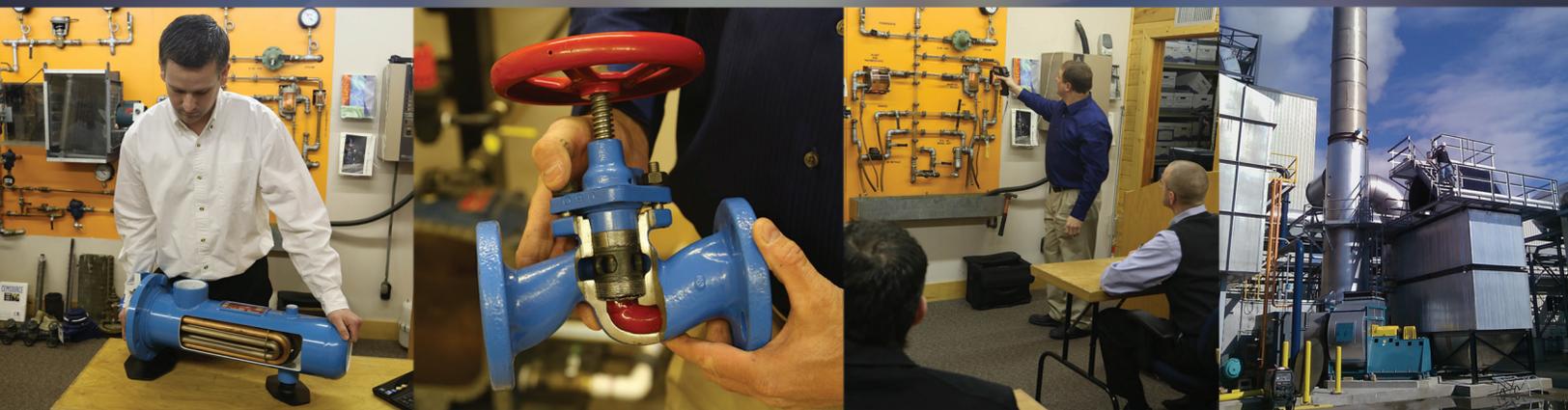


Make The Most Of Your Steam System



**Campbell-Sevey's Educational
Seminars & Online Training**



The Steam Energy Conservation Seminar

Learn How to Operate and Maintain a Highly Efficient Steam System

Course Overview

Proven ways to save energy, time and money

Gain knowledge and improve your skills as textbook information is converted into practical field applications on a “live steam system” at Campbell-Sevey’s offices in Minnetonka, MN. Through the use of glass piping, glass models, and cut-away parts, you will get a live look at how the behavior of various steam system elements.

This seminar will help you save energy, time and money through proper steam system design and practical guidelines. Participants will learn about steam traps, pressure reducing and relief valve selection, operation and testing.

Course topics include:

- The steam basics of generation, distribution, utilization and return
- Types of steam traps
- Steam trap operation, testing and sizing
- Pressure reducing station layout and design
- Safety relief valve sizing and repair
- Heating and cooling coil design and piping layout

Lasting Benefits

Practical Steam Trap Tips and Training

- How to save energy, time and money through efficient steam trap usage
- How to identify defective steam traps
- How much defective traps are costing your facility
- Guidelines for establishing a steam trap monitoring program
- Longer service life on steam equipment

Who Should Attend

Easy to understand field applications

Personnel responsible for overall steam system operation, maintenance and utility efficiency. Including:

- Plant Managers and Operators
- Operations Engineers
- Consulting Engineers
- Contractors
- Energy Managers

Call (952)935-2345 for more information.

main@campbell-sevey.com

campbell-sevey.com/steam-energy-conservation-seminar



Learn Steam Basics

- Why do we use steam as a heat transfer medium?
- What are sensible heat and latent heat?
- How does pressure drop affect temperature at the end use?
- What is flash steam and why is it important?
- What is superheated steam and where is it used?

Learn Steam Trap Operation

- Trap operating principles
- Recommended application for each type of trap
- Different trap styles
- Advantages of each trap style

Learn Proper Piping Practices

- Steam distribution systems
- Space heating equipment
- Process air heaters
- Shell and tube heat exchangers

Learn about products that help you implement the best technologies



See how to make trap testing simple, accurate and quick. These tests result in energy savings and reduced maintenance costs.



Have nagging condensate problems? Learn how pumping traps eliminate the need for electric pumps and put an end to blown seals and leaks.



Learn what goes into the design of quality heating/cooling coils. See why materials and manufacturing make a difference in performance.

Customized Training Seminars

Specialized Training to Fit your Teams Exact Needs

Steam Basics to Advanced System Training

Campbell-Sevey can make sure your plant steam system operators have the training they need to operate your equipment at maximum efficiency, and spot potential issues before they erupt, with our custom training seminars based on your exact system and educational needs.

Custom Training Options:

- On-site or in our “live steam system” training facility
- Half day or full day curriculum
- Training on the exact equipment used in your system

Armstrong University Online Training

Over 100 Interactive, Easy-To-Learn Courses Of Study

University Overview

For industry trades people and professionals interested in earning continuing education credits or learning more about steam, air and water systems, Campbell-Sevey and Armstrong University offer customized online training. **The robust curriculum spans more than 10 colleges and over 100 courses of study.** Each course provides a step-by-step, illustrated curriculum with instructional voice-over providing a detailed explanation of each component in a way that is easy to follow and understand. At the end of each course a quiz is given in which you can earn your certification.

The courses include:

College of Steam Principles
College of Steam Generation
College of Steam Distribution
College of Steam Users
College of Condensate Return
College of Heat Recovery
College of Humidification

College of Hot Water
College of Refrigeration
College of Flow Measurement
College of Water Treatment
College of EH&S
Continuing Education Units (CEU)
and many more

Custom Curriculum: Your Own College of Courses

Want to learn, but don't have time to take 100 courses? Exclusively through Campbell-Sevey you can get a customized Armstrong University curriculum design specifically with your systems in mind.

Register Today to Get Specialized Training with Practical Knowledge and Techniques on Steam Energy

The Steam Energy Conservation Seminar – Register Today!

The seminars are held each month at Campbell-Sevey's offices in Minnetonka, MN. Call, email, or register online:

Campbell-Sevey Steam Energy Conservation Seminar
(952) 935-2345

main@campbell-sevey.com

campbell-sevey.com/steam-energy-conservation-seminar

Ask About Customized Training Seminars

Armstrong University Customized Online Training – Learn More!

If you are interested in a customized training curriculum, specific to your needs, contact Campbell-Sevey for guidance and special rates:

Campbell-Sevey/Armstrong University

Online Training

(952) 935-2345

main@campbell-sevey.com



Knowledge Center **NEW!**

The Intelligent Steam, Air & Water Product Resource

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Got to info-campbell-sevey.com!

PRODUCT LINES WE CARRY

GENERATION

Hot Water Boilers
Watertube Steam Boilers
Firetube Steam Boilers
Deaerators
Heat Recovery Steam Generators (HRSG's)
Automatic Recirculation Valves
Economizers
Gas-Fired Water Heaters
Gas-Fired Humidifiers
Boiler/Generator Flue Stacks
Continuous Emissions Monitors (CEMS)

DISTRIBUTION

Pressure Reducing Valves
Safety and Relief Valves
Control Valves
Check Valves
Pressure Independent Control Valves
Expansion Joints, Guides, Anchors
Flash Tanks
Balancing Valves
Custom ASME Pressure Vessels
Separators
Pumps
Pressure Booster Systems
Piston Valves
Flow Meters

UTILIZATION

Heating/Cooling Coils
Plate and Frame Heat Exchangers
Shell and Tube Exchangers
Water Heaters
Steam Humidifiers
Vacuum Systems
Condensers
Steam Traps
Wireless Steam Trap Monitors
Tube Bundles
Direct Gas-Fired Space Heaters
Direct Gas-Fired Make-Up Air Units
Unit Heaters
Strainers
Air Vents
Liquid Drainers
Heat Transfer Packages
Digital Water Mixing Valves
Air Cooled Condensers/Dry Coolers
Steam Filters

RETURN

Electric Condensate Pumps
Steam/Air-Powered Condensate Pumps
Packaged Condensate Pump Skids



Contact Us for All Your Steam, Air and Water System Needs

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